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# *the* **ILLINOIS ENGINEER**



U.S.G.S. GAGING STATION—VERMILION RIVER, NEAR DANVILLE.  
(See page 2)

THE ILLINOIS ENGINEER  OCTOBER, 1952—VOLUME XXVIII, NO. 10

Address all communications to the Society at 631 East Green St., Champaign, Illinois.  
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Affiliated with the National Society of Professional Engineers

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# Of Professional Interest

I hold every man a debtor to his profession;  
from the which as men of course do seek to re-  
ceive countenance and profit, so ought they of  
duty to endeavor themselves by way of amends  
to be a help and ornament thereunto.

Sir Francis Bacon

## THE ILLINOIS ENGINEER—THIS MONTH

### The Centennial—A Retrospection

*The Centennial of Engineering Celebration is behind us. Engineers are great people — so they told us. But they also told us, over and over again, that while we had done a great job in the creation of technological developments, we had yet to learn how to teach our fellows to use these things for peaceful ends and not for each other's destruction. 1852 to 1952—These have been productive years as far as the engineer is concerned, but the last third of that period brought two heart-breaking, cataclysmic wars with the possibility of a third and more terrible one weighing heavily on the hearts and minds of all of us and the engineer has played a heavy role in making these wars possible. He has had a major part in the development of the disaster carrying implements which are now available to destroy mankind.*

*Instead of patting himself on the back for the accomplishments of the one hundred years just completed, the engineer should be looking forward to the next century with a determination to see that he has as much control over the use of the tools which he produces as he does over the natural laws which he has used to produce them.*

*The tumult and the shouting dies;  
The Captains and the Kings depart:  
Still stands Thine ancient sacrifice,  
An humble and a contrite heart.  
Lord God of Hosts, be with us yet,  
Lest we forget—lest we forget!*

W. A. OLIVER, *Editor*

## OFFICIAL I.S.P.E. NOMINEES FOR 1953-54

In accordance with the provisions of the Constitution of the Illinois Society of Professional Engineers, the nominating committee submits the names of Raymond G. Brichler, Belleville, for President and Clarence W. Klasen, Springfield for Vice President.

JAMES WHELAN

GEORGE E. EKBLAW

VIRGIL E. GUNLOCK, *Chairman*

## COST OF LIVING INDEX

The correction factor to be applied to the I. S. P. E. Schedule of Minimum Fees and Salaries was 192.3 for August, 1952. The factor is based upon the U. S. Department of Labor's most recent Consumer Price Index.

## PRESIDENT'S MESSAGE

Every time I attend a Board of Direction meeting I come away with an acute awareness of the strength of a "grass roots" type of organization such as our Professional Engineering Society. The Board meeting which was held in the Sherman Hotel in Chicago on September 5 was typical of every board meeting it has been my privilege to attend. There is no such thing as speeding the deliberations of the Illinois Society Board of Direction. Our Assistant Secretary had announced prior to the meeting that there wasn't much on the agenda and that all business should be concluded by lunch time. Actually, adjournment came well after five o'clock, and it was a weary group of directors who arose from the conference table, for a tremendous amount of work had been handled.

Our Directors have one common trait — they think in the manner in which an engineer is trained to think — and they believe in completely analyzing every subject which is put before them. There is no such thing as a snap judgment decision, for each proposal is dissected and studied carefully before action is taken, and when such discussion is concluded there is little left to know about the subject. This is as it should be, for your elected Directors are responsible to you, and carry out instructions of the Chapter, or speak as they think the Chapter wishes them to when uninstructed on certain matters. They have another responsibility which many have overlooked, for it is the Board of Direction — your representatives — who instruct our National Directors how to vote on subjects which are discussed and voted upon at the National Society's Board meetings. And at this point we see how the so-called "grass roots" membership has a direct voice all the way to the top of the organization, and how local opinion can sway the National program. It gives me a feeling of great pride to belong to a group which has the objectives of our Society, and which carries out its work on a basis whereby every individual member in the organization can express his views all the way up the ladder. It is a fitting type of organization for the purposes to which it is dedicated.

It would be most educational for those of you who have never seen a Board meeting to make it a point to

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## READ THE ADVERTISEMENTS

### SUBSCRIPTION RATES

\$2.00 per year in advance to members of the Illinois Society of Professional Engineers. \$4.00 per year in advance to non-members in U.S.A. and its possessions, Canada, and Mexico. Foreign \$6.00. Single copies 40c. Published by the Illinois Society of Professional Engineers, Inc., at 631 East Green Street, Champaign, Illinois.  
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attend one. Guests are always most welcome, and the meetings which are held at the time of the Annual Meeting are usually located in a room which is sufficiently large to permit a number of visitors. Why not start planning now to see at first hand how the business of your Society is handled? I believe you will find it well worth while, and you will come away with renewed interest in your professional affairs, and a deep respect for the responsibilities your Directors assume when they accept their election to the office of Chapter Representative.

#### *President's Datebook:*

September 5. Up before breakfast to travel to Chicago for Board meeting and the N.S.P.E. banquet. Enjoyed Eric Johnston's splendid explanation of Point 4, but even more impressed by size of audience in view of competitive programs scheduled at same time. Hats off to Chicago Chapter for their exceptionally fine organizational work on behalf of N.S.P.E.

September 6. Still in Windy City to meet with Mr. Amstutz and his Professional Educational Committee. Feel that this important work is receiving attention of some of finest minds in Society, and am confident that before year is finished will see results.

September 18. Met with West Central Chapter in home town hotel where roast beef and fellowship were on a par. Dissertated upon Illinois Society and its affairs.

September 23. At 2:30 with Babbitt, Oliver and Roberts to Department of Registration and Education for purposes of Society aid to Department in connection with publication of roster of Illinois P.E.'s. Preliminary negotiations most promising. Executive Committee afterward in Clarence Klassen's conference room. At 6:30 Capital Chapter's fall round-up, with rootin' tootin' shootin' cowboys. No ties allowed, so paid double fine; one for wearing one, another for keeping it on! E.I.T.'s did excellent job of running meeting, and enjoyed opportunity to discuss Engineering Societies with Springfield's best.

A. DOUGLAS SPICER, *President, I.S.P.E.*

#### **JUNIOR REPRESENTATIVE MESSAGE**

I visited the Capital Chapter September 23rd and witnessed a very well planned meeting and program conducted by the E-I-T members. This is a splendid way to make the younger engineer feel more at home.

I have been asked to gather some information concerning restrictions and requirements pertaining to the eight years of experience needed before the final part of the Professional Engineering Exam may be taken. I will send this information to each Chapter Junior Representative and he in turn will see that all of you who are interested are informed.

This is a good opportunity to urge those of you who have not written the first part of this exam to seriously consider doing so. There are now six Refresher Courses being conducted throughout the state sponsored by our Chapters. This is an excellent way to "bone-up" easily

and painlessly. Get it out of the way now before your cribs are washed out of your shirt cuffs.

Also, I would like to remind those who have taken the first part of the exam to make every effort to get the last part out of the way too. We can't remain in high school all our lives, neither can we practice as engineers without our license.

As the efforts of our Society are being directed more and more toward professional licensing and greater unity in the profession, this license will mean more and more.

JAMES L. MILLS, *Junior Representative*

#### **COVER PICTURE**

The cover picture is of the Vermilion River near Danville, showing the gaging station of the U. S. Geological Survey, operated under the cooperative agreements with the State through the Illinois Department of Registration and Education, Water Survey Division.

The cableway and car support the stream gager during discharge measurements of the river when it is too deep to wade. The current meter is being lowered from the car to the water by an engineering aide, but is somewhat obscured by the foliage behind it. The reinforced concrete structure is the well and housing for the recording instrument giving a continuous record of stage. The station was built in 1934, and is one of 159 stations throughout the State operated by the Champaign District.

It requires six to ten discharge measurements a year to keep the rating up to date, and it requires about sixty-five man-hours of analysis and computation to put the record in shape for publication in the annual water supply papers.

Mr. J. H. Morgan is U.S.G.S. District Engineer and Mr. W. D. Mitchell is his principal assistant. Both are active members of N.S.P.E.

#### **LAKE COUNTY CHAPTER NEWS ITEM**

*From "Waukegan News-Sun"*

#### **ERIC JOHNSTON URGES FORMATION OF A PROFESSIONAL NATIONAL SOCIETY**

Eric Johnston, chairman of the International Development Advisory Board, recommended that the engineers of the United States unify themselves through the National Society of Professional Engineers, so as to make for a well-deserved and recognized standing in our fast-progressing world, similar to that of the American Bar Association and the American Medical Association.

Fifty-two Lake County chapter members and their wives attended the dinner in the Grand Ballroom of the Hotel Sherman, Chicago, on Sept. 5th, at which Johnston spoke, as highlight of the Centennial of Engineering.

The representatives of the Lake County Chapter of the Illinois Society of Professional engineers comprised better than 10 per cent of the total attendance at last night's dinner.



**VOX SECRETARII**P. E. ROBERTS, *Assistant Secretary**Recruitment of Engineering Students*

Eighteen months ago the Illinois Society began a campaign to disseminate information to high school students for the purpose of interesting them in an engineering career. Several Chapters held "student nights" along with their regular Chapter Meetings. The services of our members were used as high school councilors to guide the young men. Pamphlets designed especially for high school students describing the engineer and his work were distributed.

The work of the Society is beginning to bear fruit. With a 2½% increase in all freshmen entering the University of Illinois this fall, the increase in enrollment in the first year class in the College of Engineering was substantially larger. Last year there were 375 freshman engineers as against 701 permits to enter and about 600 who will begin their engineering careers this fall. Increased interest did not stop with new freshmen in that the number of sophomores, juniors and seniors registered was as expected but the increased number of graduate students this year over last is much larger than expected.

It is always gratifying to report tangible results in any Society effort and it is doubly gratifying in this instance for the reason that the work of several Chapters and many individuals is recorded on the credit side of the book. The saturation point has not yet been reached in enrollment of freshman engineers; consequently a continuation of the good work is called for.

*Refresher Course Classes*

The beginning of a new college term is also the beginning of a new group of refresher course classes in preparation for the November professional engineering examination. Text material for the classes is published by your Society and is the Third Edition of the Professional Examination Book. Classes are being held in Aurora (new), Rockford, Moline, Decatur, Springfield and Chicago. The Chicago group was so large (125) that it was necessary to divide it into five classes. It is interesting to note that one out of state college of engineering and three colleges in Illinois, including the University of Illinois, are using the Third Edition of the Examination book as text material for their refresher course classes.

*Membership Campaign*

There is a request for action in the October issue of the American Engineer. A membership campaign is exactly as good as the number of contacts which are made. This is a new approach to interesting engineers in the work of the Society. Your help and follow up will be gratefully received. Thanks for your cooperation with your chapter's membership committee.

*Miscellany*

The premier showing of Secretary Babbitt's slides of his European trip was presented to the Champaign County Chapter at its October 2nd meeting. A limited number of engagements to show these slides to other Chapters can be arranged if you are interested. . . .

Fall weather is certainly welcome after a long hot summer. . . . Stop in at the Secretary's office when you visit Champaign-Urbana this fall. . . .

**MEMBERS OF ILLINOIS STATE BOARD OF PROFESSIONAL ENGINEERING EXAMINERS**

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Carter Jenkins, 805 E. Miller Street, Springfield, Illinois.

George Lamb, Professor of Chemical Engineering, Northwestern University, Evanston, Illinois.

Frank H. Lane, 231 South LaSalle Street, Chicago 4, Illinois.

Jay C. Marshall, Chief Engineer, Procter and Gamble Company, 1232 W. North Avenue, Chicago 32, Illinois.

Thomas Clark Shedd, Professor of Structural Engineering, 306 Civil Engineering Hall, University of Illinois, Urbana, Illinois.

Everett J. Wendell, Superintendent of Highways, Courthouse, Peoria 2, Illinois.

Edwin R. Whitehead, Head of E. E. Dept., Illinois Institute of Technology, 3300 Federal Street, Chicago, Illinois.

**FROM PORTLAND CEMENT ASSOCIATION**

Carl A. Menzel, former manager of the Housing and Cement Products Bureau, Portland Cement Association, Chicago, has been appointed Consultant on Concrete Technical Problems effective September 15, 1952, according to an announcement by Carl D. Franks, the Association's Executive Vice President. Succeeding Mr. Menzel as manager of the Housing and Cement Products Bureau is S. H. Westby, assistant manager of the Bureau since 1945.

The appointment of Leo H. Corning as Director of Promotion and of Thor Germundsson as Manager of the Structural and Railways Bureau of the Portland Cement Association was also announced, effective August 1, by Mr. Franks.

**STRUCTURAL ENGINEERING CONFERENCE****University of Illinois**

The Second Illinois Structural Engineering Conference sponsored by the University of Illinois Division of University Extension will be held in Urbana, Illinois, November 12th to 14th. Professor James G. Clark, Conference Director, has announced the following program:

Wednesday Nov. 12, TRENDS IN STRUCTURAL  
ENGINEERING  
PRESTRESSED CONCRETE



Thursday Nov. 13, STEEL STRUCTURES AND  
CONNECTIONS  
WELDED STRUCTURES

Friday Nov. 14, DESIGNING FOR DYNAMIC  
LOADS  
METHODS AND INTERPRE-  
TATION OF SOIL EX-  
PLORATION

In addition to the main papers by outstanding men in the field, each session will include a panel and floor discussion period. President George D. Stoddard will be the principal speaker at a dinner meeting planned for Thursday night November 13th.

Further information about this conference may be obtained by writing to Supervisor of Engineering Extension, University of Illinois, 713½ South Wright Street, Champaign, Illinois, or to the Department of Civil Engineering, 201 Civil Engineering Hall, Urbana, Illinois.

#### LETTER TO EDITOR from Mr. Carter Jenkins

Mr. W. A. Oliver  
Editor in Chief  
The Illinois Engineer  
218 Civil Engineering Hall  
University of Illinois  
Urbana, Illinois  
Dear Editor Oliver:

While I have appeared before many legislative committees in the interest of our profession, this is my first letter to the Editor. I hope this communication will appear in "The Illinois Engineer" to clarify a situation resulting from the retirement, after many years of service, of Mr. C. Herriek Hammond, as Supervising Architect.

It appears that some question has been raised because of a newspaper article which announced the appointment of Major General Richard Smykal as Acting Supervisor, to perform administrative and executive duties in the Division of Architecture and Engineering, Department of Public Works and Buildings, State of Illinois. As many know, when Supervising Architect, C. Herriek Hammond, retired recently, he left a professional position which will be difficult to fill. Because of press of many duties, I am advised that Governor Stevenson desires to take more time in reviewing the qualifications of outstanding architects who may be considered for this position.

In the meantime, in order to supply needed executive direction along strictly business administration lines, Major General Richard Smykal was asked to become ACTING SUPERVISOR as an interim administrative appointment.

From my personal acquaintance with General Smykal, who is a widely known builder, I am certain that he has no desire or intention whatever of performing the duties of a professional engineer or registered architect. Instead he can draw upon his vast store of construction

experience to handle many of the vexatious administrative problems which constantly arise, and free for creative professional work the splendid engineers and architects who comprise the staff of the Division.

Major General Smykal is a man of great ability; has a magnificent military record; possesses an excellent business background in the construction industry; and is able to provide superior administrative direction needed during the time necessary to make the appointment of a new Supervising Architect.

In the opinion of those who are well acquainted with the complex tasks confronting the Division of Architecture and Engineering, it is believed that Governor Stevenson has acted wisely in selecting General Smykal to assist the Division of Architecture and Engineering in order to expedite award of contracts and to work with the several code department directors and others who are responsible for major construction programs.

In certain quarters, it has been thought that this temporary assignment was contrary to law, and attempts have been made here in Springfield to embarrass Director Charles P. Casey of the Department of Public Works and Buildings, of which the Division of Architecture and Engineering is a part, as well as others who are concerned with the operation of the Division of Architecture and Engineering. Such action is entirely without foundation.

It is of interest to know that the law actually does not specify the qualifications or duties required of the Supervising Architect. It is through the desire to recognize and use highly recognized architects that the services of Mr. Hammond and others in past years have been retained.

In the meantime, in spite of the teapot tempest, the Division of Architecture and Engineering is continuing to carry on its extensive responsibilities in full compliance with the laws of the State and with capable engineers and architects performing their regularly assigned duties.

CARTER JENKINS, *Consulting Engineer, Springfield*

#### OBITUARIES

The Secretary's office has the unhappy duty to announce the death of two of its members.

Mr. George E. Simmons, 1309 W. Glenn Ave., Springfield, Illinois, died on September 13th as a result of a fall from a bridge. Mr. Simmons joined the Society in 1951 and was a member of Capital Chapter.

Mr. John B. Moran, 700 Webster St., Ottawa, Illinois, died on September 24th of a heart ailment. Mr. Moran became a member of I. S. P. E. in 1945 and N. S. P. E. in 1949. He held the following offices in Illinois Valley Chapter; 1949, Secretary-Treasurer; 1950, Vice President and 1951, President. Mr. Moran held a position with the State of Illinois as Engineer with the Division of Highways for 25 years. For the past 7 years he has been with the J. P. Wetherby Construction Company of Ottawa.

The Society regrets the passing of these members.



# Proposed Constitutional Amendment

Part 1. Petition for Constitutional Amendment Concerning the Composition and Method of Selecting the Nominating Committee.

Part 2. Report of the Constitutional Amendment Committee to the Board of Direction.

Part 3. Discussion.

The following petition for amendment and the report on the petition from the Constitution Amendment Committee is presented to the society membership for their consideration. The Members of the Board of Direction have approved the report of the Constitutional Amendment Committee 15 for, 4 against and 4 not heard from. A ballot on the proposed amendment is inserted in this issue of the ILLINOIS ENGINEER. The Members of the Society are requested to express their opinion on this matter by marking the ballot and returning promptly.

## PART 1—PETITION FOR AMENDMENT

We the undersigned corporate members of the Illinois Society of Professional Engineers, hereby propose the following amendments to the Constitution and By-Laws and request that they be submitted to the Board of Direction and the corporate membership for letter ballot as provided by Article XII of the Constitution and by Section 8 of the By-Laws.

The portions of the current Constitution and By-Laws that are proposed to be deleted are included with parentheses, and proposed substitutions are italicized.

### *Article VIII, Section 1 of the Constitution*

The President and the Vice President shall be elected by letter ballot of the corporate members. *Nominations for these offices shall be made by a Nominating Committee appointed by the Board of Direction each year, and consisting of a Chairman and five Members. It shall be the policy of the Board of Direction to distribute the membership of the Nominating Committee among the various branches of engineering employment and the geographical sections of the State, in the most equitable manner practical. No member of the Board of Direction shall be eligible to serve on the Nominating Committee. The names of the Committee's nominees shall be transmitted to reach the Secretary's office not later than September 30th or 120 days next preceding the Annual Meeting at the close of which the elected nominees shall take office, whichever date is earlier. These names shall be printed in the ILLINOIS ENGINEER or otherwise communicated to the corporate members of the Society not later than October 31 or ninety days next preceding the Annual Meeting of the Society at the close of which the elected nominees shall take office, whichever date is earlier. Nominations of the members eligible for these offices may be made also by letter signed by not less than 10 corporate members of the Society, provided that such letter be accompanied by the written consent of the nominee or nominees and be transmitted to reach the Secretary's office not later than November 30th or sixty days next preceding the Annual Meeting of the Society at the close of which the elected nominees shall take office, whichever is earlier, and also provided that no member of the Society may sign such a letter nomination for more than one candidate for each office.*

NOTE: This amendment shall become effective at the end of the 68th Annual Meeting of the Society.

### *Article VIII, Section 3 of the Constitution*

The Secretary-Treasurer, the Directors from the Society to the N. S. P. E., and the Representatives from this Society to the I. E. C., so long as such Council exists, shall be elected annually by the Board of Direction at its first session following the Annual Meeting of the Society. *The Nominating Committee shall present a slate of candidates for these offices for consideration by the Board of Direction.*

NOTE: This amendment shall become effective at the end of the 68th Annual Meeting of the Society.

### *Section 5a of the By-Laws*

a. The Past President's Committee shall consist of the three latest available Past Presidents. This Committee shall advise the President concerning matters of interest to the Society. (It shall present, with the consent of each respective candidate, the name of one nominee for each office to be filled by election by the Society or by the Board of Direction. The names of the Committee's nominees shall be transmitted to reach the Secretary's office not later than September 30th or 120 days next preceding the Annual Meeting at the close of which the elected nominees shall take office, whichever date is earlier).

NOTE: This amendment shall become effective at the end of the 68th Annual Meeting of the Society.

*The following signatures appear on the original petition.*

Name	Grade of Membership	Name	Grade of Membership
H. F. Sommerschild	National	Gustav A. Rehm	National
A. L. R. Sanders	National	A. C. Kessell	National
K. C. Hoeglund	National	L. H. Hendrick	National
W. H. Jacobs	National	E. Patterson	National
John P. Gnaedinger	I.S.P.E.	G. E. Rynearson	National
Undecipherable	I.S.P.E.	Harry E. Beams	National
Miles Lamb	National	E. S. Rynearson	National
Theodore Olson	National	Howard P. Frazee	National
C. A. Walls	National	W. H. Sommer	National
G. DeMent	National	M. R. Golly	National
L. K. Crawford	National	James P. Murphy	National

## PART 2 — TO THE BOARD OF DIRECTION OF THE ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS

Gentlemen:

In accordance with the directive adopted by you at your meeting September 5, the Constitutional Amendment Committee has reviewed the proposed constitutional amendment concerning the composition and



method of selecting the nominating committee, has analyzed its possible effect on the Society, and reports herewith the results of its considerations.

I. We find the following defects and deficiencies in the proposed amendment:

1. Provisions defining the composition and method of selection of the nominating committee as proposed are incorporated in an article of the constitution defined as "Election of Officers" and in a section related to the method of election of the President and Vice President of the Society. It is well recognized that it is highly undesirable to combine in one paragraph of the constitution of any organization provisions governing two of its agencies, even if the agencies are related. In this instance the composition and method of selection of a nominating committee is not relevant to the election of the officers.

If a nominating committee separate from the Past Presidents Committee is desired by the Society, provision for it should be made in a new section of the By-Laws, in the same manner as all other standing committees of the Society are defined, and the only change in Article VIII, Section 1, that should be made is to change the name of the committee.

2. The proposed amendment provides that the proposed nominating committee be "appointed" by the Board of Direction. Inasmuch as the Board is a deliberative body consisting of more than one person, it can not "appoint" but must "elect" its agencies — only the presiding officer can "appoint" a committee.

3. The proposed amendment does not require the proposed nominating committee to obtain prior consent of the candidates whose names it presents to the Society and to the Board for their election. Such a requirement is essential, especially with respect to the candidates for the Society's officers.

II. In presenting an analysis of the possible effect of the proposed amendment upon the Society, we believe that a resumé of the practice of the Society with respect to the nomination and election of its officers for at least the past 25 years is desirable.

1. The Secretary - Treasurer has always been elected by the Board of Direction.

2. Until 1947 the President and Vice President were elected at the annual business meeting of the Society, at which meeting the candidates were nominated. The change to letter-ballot election, effected by the 1946 constitution, was made in the belief that in view of the increased membership of the Society, all corporate members of the Society should have opportunity to vote on these officers.

3. The Past Presidents Committee was first established as a constitutional committee of the Society and given the responsibility of presenting the names of candidates for President and Vice President in the 1943 constitution, which did not become effective because it

was dependent on the effective date of the Professional Engineers' Registration Law, and was again so established in the 1946 constitution.

However, the Past Presidents Steering Committee had been established by the Board many years previously, and beginning at least in 1937 it served as the nominating committee. Beginning with 1938 the chairman of this committee each year was the last past president, and the other members were the next preceding past presidents.

In 1928, 1930, 1934, and 1935 there was a nominating committee of each, of which at least two past presidents were members and in some cases the chairman was a past president. In other years nominations were sometimes made spontaneously from the floor, but it was recognized that this practice might lead to some undesirable results, so since 1934 at the latest a nominating committee has been regularly used.

4. The last three available past presidents were established as a nominating committee in the belief that they, better than anyone else in the Society, should from their experience know who, by reason of interest and past activity in the Society, was best qualified to serve as President and Vice President in succeeding years. Thus there was provided a continuity of officers who were conversant with the affairs and problems of the Society, with the Society's treatment of these affairs and problems, and with the general conduct of the Society's business, all over a period of years. The officers nominated by the committees have been elected without opposition by the Society for at least 20 years. Whether the practice has served the Society well and to its best interests must be judged by results.

5. A nominating committee constituted as provided in the proposed amendment could have no member, such as the immediate past president or member of the Board of Direction, personally conversant with the immediately current affairs, problems, and conduct of the Society at the State operating level, nor with what members of the Society are most effectively serving it. It is obvious that such a committee could not possibly be in a position to make as wise recommendations as is the present Past Presidents Committee, and so either to a considerable extent it would have to depend on second-hand information to guide it in selecting a capable representative or it would submit candidates who were not as well qualified as others available. It appears that such procedure could hardly operate to the best advantage of the Society.

6. It is recorded that at the Board meeting a statement in support of the amendment stated that it is to assure there will be no opportunity of self-perpetuation of any group and that the Past Presidents Committee may not always assure new blood.

The possibility that some "group" can "perpetuate" itself in the principal offices through the Past Presidents Committee serving as a nominating committee is so remote that any fear in that regard is unfounded. The



only "perpetuation" that is inherent in the present practice is that the candidates proposed by the nominating committee will be interested and active in and conversant with the affairs of the Society, which is all for the good of the Society. The probability that a person inexperienced in the affairs of the Society will be proposed for its highest office is reduced to a minimum. Geographic and professional distribution of possible candidates has always been given full consideration by the past committees, within the bounds of the candidates' experience in the Society. The Society is protected from even the remote possibility of "perpetuation" by the relatively easy method provided in Article VIII, section 1, of the present constitution, for nomination of additional candidates by petition of 10 members of the Society, on any occasion when such 10 members may dislike the choice of the nominating committee.

7. The statement that the Past Presidents Committee may not always assure "new blood" seems pointless. Each year a new man is nominated for Vice President and if living at the end of the year he is traditionally nominated for President. This new man is drawn from the ranks of men who have given of their time and effort for the good of the Society, and his nomination for an office for which there is no other compensation is an honor in recognition of his service. The "new blood" for future candidates derives from the Representatives elected by the Chapters and from active members and chairmen of Society committees. "New blood" not derived from one of these sources could hardly be to the advantage of the Society.

III. In view not only of its defects and deficiencies but principally because in the unanimous opinion of our committee it will not serve the best interests of the Society, we recommend to the Board (1) that they disapprove the proposed amendment, and (2) that when submitted to the membership for letter ballot it be accompanied by the Board's recommendations that it be defeated, for the reasons set forth above.

The above report is unanimously approved by the committee.

H. E. BABBITT

DUNCAN M. CAMPBELL

K. C. HOEGLUND

MACK H. KINCH

GEORGE E. EKBLAW, *Chairman*

### PART 3 — OBJECTIVES OF PROPOSED AMENDMENTS

*Prepared by*

L. K. CRAWFORD, L. D. HUDSON, and L. F. RYBURN

In submitting the proposed revisions, real thought was given to improving the now sluggish operations of the Society.

#### *Proposals Follow the Model:*

The proposed amendments were taken from the model constitution for state societies prepared by N. S. P. E.

Wherever possible, the exact wording of the model was used, changes being made only as necessary to fit into the framework of the I. S. P. E. Constitution. Objections voiced by the Constitutional Amendment Committee that the proposals are wrong because they combine the method of election of officers with the method of selection of the nominating committee and further, that they use the word "appointed" instead of "elected," are not material to the main issue and are certainly not of such nature that they would make the constitution inoperative or unworkable. In these two respects, particularly, the proposed changes follow exactly the model constitution. While we do not hold this out as the last authority, the fact remains that we must recognize that a great deal of thought must have gone into the preparation of the model constitution and that we cannot go too far astray in using it. It was prepared as a guide to state societies in the preparation of their constitutions.

#### *Urge Study By Members:*

It is anxiously hoped that the members will look to the Society's *objectives* rather than confirm the routine *objections* raised by the Constitutional Amendment Committee. The very force of the objections leads to suspicion of fear of any change to liberalize the organization. If we fear that a change will bring in new ideas, there must be something wrong with this democratic way of life which we, in this country, hold so dear. We refuse to believe that the only men who can help the Society are those who have spent years in its service. In fact, when the progress of recent years (or lack of it) is reviewed it would seem to indicate that we do need new blood and new perspective.

It might be well to stress the importance of the Nominating Committee. At present, the last 3 past presidents nominate the President and Vice President. Election of these officers is by letter ballot of the members. They also nominate the officers selected by the Board who are:

Secretary-Treasurer

Editor of "ILLINOIS ENGINEER"

National Directors (2)

Representative to Illinois Engineering Council

All these officers appointed (or elected, if you prefer) by the Board are members of the Board and have equal vote with any other member. The most recent past President is also on the Board as well as being Chairman of the Past President's (nominating) Committee. In other words, 8 members of the Board, out of a total of 24, are directly chosen by, or are members of, the Past Presidents Committee.

In addition, please note that the Executive Committee of The Board, which is its operating group, consists of the President, Vice President, Secretary-Treasurer and Editor, all selected by the Past Presidents. It would not be difficult to assure that the balance of power in this committee can be retained. In fact, you will note that for many years 2 have been on this committee continuously and these 2 are from the same town.



To say that provision for nomination of 2 of these 8 by petition of the members is safeguard against manipulation is absurd for we all know that such a procedure looks good on paper but very seldom works out.

### *Stagnation or Progress?*

I. S. P. E. hired a "Field Secretary" a few years ago whose job it was to concentrate on membership. He has since been designated as "Assistant Secretary" and most of his travel funds have been taken away. Meanwhile, the membership has declined. The latest bulletin of the "Assistant Secretary" shows a reduction of 29 members, including 27 National members, since the same time last year. Compare this with N. S. P. E.'s membership picture which shows an increase from 21,694 in 1949 to 27,457 in 1952, or 26.6%.

Illinois, which ranks 4th in population, 2nd in the number of engineers registered and whose State Society was 5th of 39 to affiliate with N. S. P. E., had, in 1949, only 6% of the registered engineers in its organization compared with 27% for Indiana, 41% for Minnesota, 41% for Wisconsin, 22% for New York, 25% for Ohio, and much higher percentages for some of the smaller states. These figures are for 1949 but there has been little change in Illinois' relative position since that time.

The proposed amendments were prepared as an honest effort to improve the Society by individuals who have looked in vain for the same progress in I. S. P. E. that we find in N. S. P. E. We know that it's only one step but we feel that it's an important step in an effort to shake the Society out of the doldrums. We're tired of hearing the question of members and prospects — "Why can't we join N. S. P. E. without joining the State Society?" We believe that we need an aggressive state organization that's giving its members their money's worth. When that happens we won't have to worry so much about membership.

### **Part 3 (Con't.)—Comments on Remarks Submitted by Messrs. L. D. Hudson, L. K. Crawford and L. F. Ryburn**

1. With respect to the statement that the proposed amendments were taken from the model constitution for State Societies prepared by N. S. P. E., herewith is quotation from "Sample" constitution for member State Societies, revised draft October 17, 1949, on file at Secretary's office:

#### *"Article VIII — Nomination and Election of Officers"*

*"Advisory* Section 1. Nominations for elective offices shall be made by the Nominating Committee.

*"Suggested only* Section 2. The Nominating Committee shall have the immediate Past-President as its chairman and one member selected by each of the Chapters.

*"Suggested only* Section 3. No member of the Board, except the immediate Past-President, shall be eligible for appointment or election to the Nominating Committee.

*"Suggested only* Section 4. One or more nominations shall be made for each office, but no member of the Nominating Committee shall be eligible for nomination by the Committee.

*"Suggested only* Section 5. Nominations may also be made by a petition signed by 100 voting members in good standing or by 10% of the voting membership of the Society. Nominations by petition must be in the hands of the Secretary 60 days before the date of the Annual Meeting in order to be placed on the ballot.

*"Suggested only* Section 6. The Nominating Committee shall report the names of its nominees to the Secretary 60 days before the date of the Annual Meeting. . . ."

2. The Constitutional Amendments Committee pointed out that combining the method of selecting a nominating committee in the same article and section with the method of electing officers is *undesirable*.

3. A great deal of thought undoubtedly did go into the preparation of the "Model" State constitution. So did a great deal of thought and experience go into the formulation of our Society constitution, particularly to adapt it exactly to the needs and the desires of our particular organization as expressed by letter ballot in 1945. The "model" is intended primarily as a guide for a new Society. The fact that it was compiled by a committee of the N. S. P. E. does not necessarily make it superior or preferable to ours. For instance, requiring nominations by petition to be filed contemporaneously with the nominating committee's report as provided in Sections 5 and 6 quoted above defeats the intended purpose, and this fault is carefully avoided in our constitution.

4. New blood? Our immediate Past-President, Virgil Gunlock, joined the Society in 1946; our President, Douglas Spicer, joined it in 1944; our Vice President, Raymond Brichler, joined it in 1943.

5. The officers and representatives elected either by the Society or the Board are not "directly chosen" by the Nominating Committee — they are only nominated or suggested — others can always be nominated.

GEORGE E. EKBLAW, *Chairman*  
*Constitutional Amendments Committee*

### **REQUEST NAMES BE WITHDRAWN FROM PETITION**

As of October 1st and subsequently, the Secretary has received several letters each requesting that the signer's name be withdrawn from the petition on the proposed amendment referred to the Constitutional Amendments Committee by the Board of Direction on September 5th. The following signatures appear on the letters: K. C. Hoeglund, H. F. Sommerschild, A. L. R. Sanders, W. H. Jacobs, Miles Lamb, George L. DeMent, C. A. Walls, Theo. W. VanZelst, J. P. Gnaedinger.



# News From Chapters

## Madison County

The meeting of May 13, 1952 was called to order by Vice-President Graham, in the absence of Mr. Sheppard, at the Edwardsville Gun Club, with 21 members and twenty guests present. Minutes of the previous meeting were read and approved.

Mr. George Shanahan gave a talk on Vocational Guidance at the Carlinville high school on May, 8, as a representative of the Engineering profession.

The letter from Mr. Spicer, regarding the proposed national dues increase was read and discussed. Moved by Voorhees, seconded by Willis, that the Chapter Representative advise the State Board that the Chapter approves an increase in the national dues, as requires. Motion carried.

Mr. Voorhees then introduced the speaker, Mr. Charles Gillham, of Western Cartridge Co., who gave a talk on the importance of conservation to the well-being of our country. Meeting adjourned at 10:00 p.m.

N. B. CORLEW, *Secretary*

## Rockford Chapter

The meeting of June 17, 1952 was called to order by President Lyle Porter. No reports were made by the committee chairmen.

Responding to a request from the Civil Defense group, two committees were formed. Charles Debes was named chairman of a committee to assist in Air Raid Warning, consisting of Jack Graven, R. Egeland, and Forest Drake. Lou Dagle was made chairman of a group to assist in factory protection.

The resolution on membership and the chapter's position on dues increases that was introduced by John Duguid at the last meeting was forwarded to President Spicer, I. S. P. E., for endorsement to the N. S. P. E. Convention in Tulsa; and no word has been received to date as to action, if any, being taken by President Spicer.

A refresher course for registration examinations on November 25 to November 26 will be held this year. The course will be held Wednesday, September 10, to November 19. Applications for the exams have to be in by September 25. It was found that so far four people present planned to take the exam. Notices have been sent to other engineering groups to get students.

Mr. Lundgren announced a special banquet—The Centennial of Engineers—to be held Friday, September 5, at the Sherman Hotel in Chicago, with wives invited. The tickets, priced at \$6.00 each, can be obtained from John Duguid. Bus transportation to Chicago was discussed.

The meeting was then turned over to Olaf Begtrup of Howell Motors and Square D Company, who introduced speakers who told us about the various operations of that company. We thank Howell Motors for a delicious variety of cold meats, cheese, and coffee refreshments which they provided and the good time that was had by all.

R. B. STRINGER, *for the Secretary*

## Rockford Chapter

Minutes of the regular meeting of the Rockford Chapter, Illinois Society of Professional Engineers, held

*Third Edition . . .*

## PROFESSIONAL ENGINEERING EXAMINATIONS

New Book includes all of the examinations published in the first and second editions plus typical questions from the examinations given by the Department of Registration and Education, State of Illinois during 1950, 1951 and 1952.

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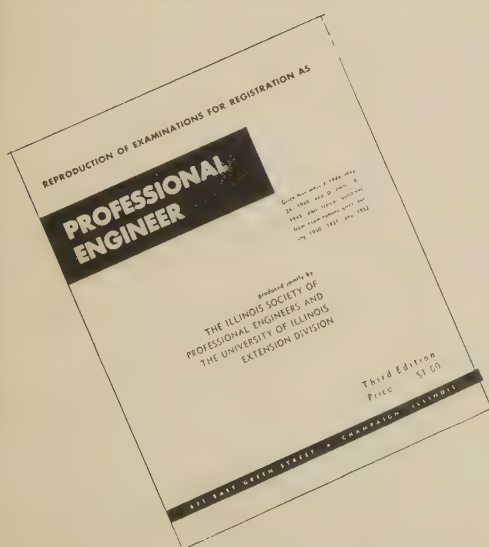
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Tuesday, June 17th, 1952 at 7:30 p.m., Central Illinois Electric and Gas Co. Auditorium, Rockford, Illinois.

Responding to a request from the Civil Defense Group, two committees were formed. Charles Debes was named chairman of a committee to assist in Air Raid Warning, consisting of Jack Graven, R. Egeland, and Forest Drake. Lou Dagle was made chairman of a group to assist in factory protection.

The resolution on membership and the chapter's position on dues increases that was introduced by John Duguid at the last meeting was forwarded to President Spicer, I.S.P.E. for endorsement to the N.S.P.E. Convention in Tulsa; and no word has been received to date as to any action, if any, being taken by President Spicer.

Since there was no further old business, the meeting progressed with the new business.

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Mr. Lundgren announced a special banquet—the Centennial of Engineers—to be held Friday, September 5, at the Sherman Hotel in Chicago, with wives invited. The tickets, priced at \$6.00 each, can be obtained from John Duguid. Bus transportation to Chicago was discussed.

Ed Young asked if we wanted identification buttons, and a discussion followed with no decision made. The President asked Ed Young to write Skeet Roberts in Urbana to find out if there is any standard button.

A letter of condolence was sent to Bill Day, who lost his son.

The meeting was then turned over to Olaf Begtrup of Howell Motors and Square D Company, who introduced speakers who told us about the various operations of that company. We thank Howell Motors for a delicious variety of cold meats, cheese and coffee refreshments which they provided and the good time that was had by all.

R. B. STRINGER  
*for the Secretary*

### Du Kane Chapter

Regular meeting was held on June 19, 1952. The minutes of the May meeting were read and approved.

Pres. Dreier called attention to the excellent articles which are appearing monthly in the *American* and urged all members not only to read them carefully but also to make them available to other persons who might be interested.

The names of 14 engineers who would be interested in taking a P.E. exam. refresher course were turned in to the president, and it is believed that there will be more after this fact is publicized. It is reported that the fee for this course is \$14.00, and that it will require time in

the amount of about three hours per week, for 11 weeks, starting around Labor Day. The place will be decided upon when the final arrangements are made. All interested should contact Pres. Dreier at once.

A motion by Chapt. Rep. Rob Roy, seconded by Engr. Fast, to sponsor the refresher course was unanimously carried.

The July and August meetings will not be held, and the September meeting will consist of attendance at the National Meeting in Chicago during the Engineering Convocation. The secretary has tickets for the September 13th Sherman Hotel dinner and reservations may be made with him. The membership will be notified by letter of this dinner during the next month.

Engr. P. J. Rockenbach introduced Engr. Harold F. Sommerschield, formerly with the Portland Cement Association and now Chief Design Engineer for Abell-Howe Company, engineers and contractors. He has been, and is now, a very active member of Chicago Chapter and he had quite a bit to say about the coming Engineering Convocation. His subject of "Prestressed Concrete" is one of increasing importance and is a field in which there are very few experts at the present time. He used motion pictures and slides to illustrate his observations as to the application of the use of Prestressed Concrete to bridge construction.

GEORGE M. BOOTH JR., *Secretary*

### Capital Chapter

A regular meeting of Capital Chapter was held at Forest Park, Lake Springfield, the evening of June 24, 1952.

Art Thorsell, chairman of the program committee, with members of the committee assisting, served an outstanding picnic meal and was commended by all for his efforts. Approximately 50 chapter members and their guests attended. Following the picnic, President Ryburn called the meeting to order and welcomed Verne Hudson back from a year of graduate work at the University of Michigan.

The Air Pollution Study Committee, under the chairmanship of James Williams, was congratulated for carrying on the comprehensive program that is already gaining national recognition. A complete report will be available for general distribution in the course of time.

The Civil Defense Committee, Carl E. Thunman, Sr., chairman, was recognized for recently completing a listing of defense equipment available for immediate use in this region. Mr. Thunman gave particular credit to Michael J. Besso and James P. Murphy for their part in preparing the list.

President Ryburn again urged the purchase of tickets to the NSPE-ISPE dinner, to be held in the Grand Ballroom of the Sherman Hotel, in Chicago, in connection with the Centennial of Engineering. Claude Morrisett has the tickets and reported that sales, to date, indicate Capital Chapter may be able to fill two tables.



Harry Cordes reported briefly on his attendance at the National Convention, in Tulsa, and recommended the formation of a Ladies' Auxiliary for Capital Chapter. Attendance improvements and membership gains may be expected as a result of such an organization. Mr. Cordes offered his personal services in helping to form an Auxiliary. It was moved by Cordes and seconded by Zahn that the president appoint a committee to investigate the formation of a Ladies' Auxiliary and report back at the next regular meeting. Motion carried. President Ryburn appointed M. R. Golly, Harry Cordes, and Sherel Nutt to serve on the committee.

There being no further business to transact, President Ryburn introduced the speaker of the evening, Member Clarence Klassen, who held the group spellbound by a most interesting description of the Indianapolis Speedway races, highlighted by inside information on the workings of this amazing event. Clarence Klassen is a member of the official technical committee for the Indianapolis Speedway. This committee is responsible for seeing that all cars and equipment comply with the voluminous AAA standards and that the race is run in accordance with established rules and regulations.

Capital Chapter held its regular meeting Tuesday evening, July 22, in Douglas Park, Springfield, Illinois. The meeting was preceded by a family picnic, at which the wives and children of chapter members were made welcome. Approximately 80 people were present; and, again through the efforts of Program Committee Chairman Art Thorsell and his committee, the meeting was a delightful affair.

James Williams, chairman of the Air Pollution Study Committee, reported briefly on the results of their work to date, and predicted a most interesting published report on their findings in the near future.

The special committee appointed by President Ryburn to promote the organization of a Women's Auxiliary to Capital Chapter, made up of M. R. Golly, chairman; Harry Cordes, and Sherel Nutt, explained the benefits that might result from such an organization, and asked for an expression from the ladies present. The majority indicated interest, and a complete poll of the wives of all members is planned in the near future.

Harry Cordes introduced the speaker of the evening, Mr. Andriek Anvelt, a D.P. from Estonia, now studying medicine in Chicago, who told us of the ravaging of his homeland by the Communists. Mr. Anvelt proved to be a forceful speaker with tremendous appeal. He held his audience spellbound. Many more people should hear the vital message this sincere young man has to present.

CHAS. M. MERCHANT, *Secretary*

### **Ambraw Chapter**

The regular meeting of the Illinois Society of Professional Engineers was held at the Ohio Oil Company Cafeteria in Robinson on June 18, 1952, with President Walters presiding.

Dinner was at 7:00 p.m. and was followed by the showing of a film which covered construction highlights in the recently completed expansion program of the Ohio Oil Company refinery in Robinson. Mr. Shurtleff, a representative of the Ohio Oil Company, supplemented the film with interesting comments about the various units constructed.

The business meeting was called to order at 8:40 p.m. with 11 members and one guest present. The minutes of the meeting of March 20, 1952, were read and approved.

John Henline, Chapter Representative, answered the question in the minutes of the last meeting regarding membership with the statement that it is not possible to become a State Member if qualified for National Membership.

The following bills were allowed: For stenographic services and other incidental expenses relative to the meeting, \$7.34.

Mr. Henline reported that a poll of the members with reference to an increase in dues showed the chapter as definitely not in favor of an increase. Mr. Henline also reported on the annual meeting and talked briefly about the coming Engineering Centennial.

C. P. MATHY, *Secretary*

### **JOLIET CHAPTER**

The regular monthly meeting of the Joliet Engineers' Club was held at Little Jack's Restaurant, on Plainfield Road, Tuesday evening, September 16, 1952. Fourteen members and guests were present. Following the dinner the meeting was called to order at 8:15 P.M. by President Tittsworth. The secretary read the minutes of the previous meeting, which were accepted as read.

President Tittsworth announced that he was disappointed in the small response at this and previous meetings, and advised that steps would be taken in the future to contact the members by telephone, where possible, just prior to the meetings; this contact to be made in addition to the meeting notices that are always mailed out. It was requested that all members assist as much as possible in increasing the attendance.

**SKOKIE VALLEY ASPHALT  
COMPANY, INC.**

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**DES PLAINES, ILLINOIS**



Our President announced that he had received from the State Society a corrected roster of the membership as of August 15, 1952, which indicated that our chapter had a total membership of 72, divided as follows:

National	— 22
State	— 25
Affiliate	— 19
Junior	— 4
Engineer-in-Training	— 2

Mention was made of the refresher course being held at Aurora from September 4th through the 19th and sponsored by the DuKane Chapter. The President gave a brief report about the meeting and dinner held in Chicago on September 5th, celebrating the Centennial of Engineering. He also mentioned the possibility of holding a "Ladies Night" meeting in November.

There being no further business, the meeting was turned over to L. W. Keeler, who introduced our guest speaker, Mr. Carroll Hudson, Safety Director for the Texas Co., who gave a very interesting talk titled "Accidents Are Caused." The meeting was adjourned at 9:55 P.M.

W. K. WALTZ, *Secretary*

### ROCK RIVER CHAPTER

The meeting was called to order at 8:15 P.M. September 12, 1952 by President Hopper at the Dixon Elks Club with 32 members in attendance.

Secretary L. F. Holstein reported on the last meeting which was the golf picnic held at the Oregon Country Club with the Rockford Chapter. The Treasurer's report to date was also read as well as the report of the Picnic Committee previously turned in by Chairman Harvey Wyckoff, which showed a net profit to the Chapter of \$62.76.

Publicity Chairman Mr. Gronberg reported that the Chapter was receiving excellent cooperation from the local papers and requested the members to furnish the Committee with any news items concerning members.

Mr. R. Lyons proposed the possibility of the Chapter buying a movie projector to eliminate the borrowing of one from other sources, inasmuch as there is a considerable reserve in the treasury. A short discussion followed in which Mr. Walder mentioned that the Elks Club projector was available at any time and the matter was temporarily dropped.

The meeting was then turned over to Program Chairman Mr. Donaldson who introduced the speaker of the evening, Mr. H. E. Hudson, of the State Water Survey Division. Mr. Hudson's topic was "Radar as Used in Weather Forecasting," in which he explained the correlation between the radar scope and actual rainfall and the possible future use of radar in forecasting storm warnings for local areas in the case of intensive summer storms such as experienced recently in the Rockford area. A short film was also shown of movies taken on delayed time interval of the radar scope which showed the actual passing of rain through the area of the scope. Mr.

Hudson's talk was very informative and showed the possibility of future weather forecasting in a field at present entirely new.

L. F. HOLSTEIN, *Secretary*

### CAPITAL CHAPTER

A regular meeting of Capital Chapter was held in the shelter house at Douglas Park in Springfield Tuesday evening, August 26. Thirty members and guests enjoyed an old fashioned "Corn Boil" complete with hot dogs, pie and all of the trimmings. To Art Kessel, and his able helpers, Ray Golly and Harry Beams, goes all credit for arranging a delightful feast.

Carl E. Thunman, Sr., Vice President of Capital Chapter, called the business session to order following the picnic dinner.

In the absence of Walter Printy, Chairman of the Ethical Practices Committee, Acting Chairman L. D. Hudson reported on the Committee's investigation of a grain elevator failure at Virden, Illinois. A representative of the Department of Registration and Education, who accompanied the Committee to Virden, urged Capital Chapter, as a unit, to file a formal complaint since the findings indicated that the elevator had been designed and built without the professional supervision and control required by law. Hudson presented the following resolution for consideration by the membership:

"Resolved, that the Ethical Practices Committee of Capital Chapter be instructed to prepare the necessary material for submitting a formal complaint to the Department of Registration and Education of the State of Illinois by the Chapter and that the complaint be presented to the Executive Committee of the Chapter for comments and approval prior to submission to the Department of Registration and Education."

It was moved by Hudson and seconded by Rehm that the resolution be adopted. Motion carried.

James Williams, Chairman of the Air Pollution Study Committee, announced that he will take a one year leave, beginning September 1, to attend the University of California for his Master's Degree. In his absence, Vern Hudson will serve as Chairman. The best wishes from everyone in the Chapter go with you, Jim, and you may be assured that the important research you have been carrying on is in good hands while you are away.

The work of the Air Pollution Study Committee is receiving fine recognition from the newspapers, radio stations and local civic clubs. The Springfield Exchange Club has appointed a special committee from its membership to work with the Chapter Committee in bringing the information and findings to the attention of individuals, industries, city officials and other civic groups. Cooperative activities with such cities as Chicago, Cleveland, Cincinnati and Columbus, Ohio in comparing data have been and will continue to be carried on. The results



of this program are far reaching and of great general interest, and the Committee and its Chairman are to be commended for their fine work.

The meeting adjourned at 9:15 P.M.

CHAS. H. MERCHANT, *Secretary*

### CAPITAL CHAPTER

The Capital Chapter dinner meeting conducted by the E. I. T.'s was held in the Lincoln Park Pavilion, Springfield, Tuesday, September 23, 1952.

Carrying through the theme of a "Fall Round-Up," thirty-seven members and their guests dressed in various western and field engineers garb, presented a colorful contrast to the usual monthly dinner meetings.

Immediately following dinner, Davie and Darlene Komyathy entertained the group with excellent accordion music.

Walt Worsham ran off with first prize — an exploding "fountain pen" and a roll of caps, for having the loudest shirt.

Failing to heed the warning that no ties would be allowed Professor Oliver, General Schmykal and President Spicer had their ties removed and sold at ten cents apiece.

Distinguished guests of the evening included the following state officers:

President A. D. Spicer  
Professor H. E. Babbitt  
Mr. P. E. Roberts  
Professor Wm. A. Oliver  
Mr. J. L. Mills

The business meeting, called to order by acting President Harry E. Beams at 8:05 P.M., was short and sweet. In the absence of Leonard Crawford, Chapter Representative at the State Board Meeting, Acting Secretary Jim Baker read Mr. Crawford's report to the group.

President A. D. Spicer, principal speaker of the evening, delivered a very interesting and informative talk stressing the ever-growing need for unity among the various branches of the engineering profession. Due to the great strides made in technological development over the past two decades President Spicer recommended a more active participation by the Professional Engineer at all levels of government.

J. E. BAKER, E. I. T., *Acting Secretary*

### CHICAGO CHAPTER NEWS

#### New Members

Because of the summer season we have not reported new members since June. We would like to extend the right hand of fellowship to the following and request that they attend our meetings regularly and take an active part in making our profession one of the best.

Donald E. Gustafson	Clarence B. Monk
Henry Louis Hoepfner	Donald E. Slack
Wallace J. Chomacke	Frank J. Jencius

Clarence Henry Vaughan	Donald Joseph Mayhew
Howard Anderle	Sarkis Samuel Sarkisian
James Franklin Gibbons	

The latter four of these new members were awarded Honorary Student Membership by our Chapter. We expect to hear more from this fine group of young aspirants.

#### What Our Members Are Doing

Messrs. H. H. Bremer, C. B. Burdick, and L. K. Sherman were honored at the N. S. P. E. Banquet with the award of certificates of fifty years of membership in I. S. P. E. Mr. Burdick also spoke at a luncheon of the Soils Mechanics and Foundations Division of A. S. C. E. on the subject: "Soils Mechanics in Pioneer Days."

John Dolio returned from Europe just in time for our Centennial Banquet.

George DeMent recently spoke to the assembly of Tilden Technical High School on the subject "Twenty-Five Years of Progress in Engineering." It is significant that George is a graduate of Tilden Tech. We'll not say how long ago.

Ovid Eshbach, Gustav Egloff, Louis Howson and S. A. Greeley all took part in a panel discussion at Western Society of Engineers — Subject: "The Contribution of Engineers to the Community." Mr. Eshbach as President of W. S. E. extended the welcome. Dr. Egloff served as moderator, and Mr. Howson and Mr. Greeley spoke on the subjects Water and Sewage Disposal respectively.

Mr. S. A. Greeley was the member of a panel of the Sanitary Engineering Division of A. S. C. E. discussing the subject "Outstanding Achievements in Sanitary Engineering."

Past President, Virgil Gunlock has been so busy during the past few weeks it is not possible to list all his doings. He presided at several functions during the Centennial and as you were informed in last issue of Illinois Engineer he is newly appointed Commissioner of Public Works. Chicago Chapter has cause to be proud to have Virgil as an active member. We extend our congratulations and look forward to great accomplishments by the Department under his leadership. He also spoke on Transportation on the W. S. E. program.

Miles Catton was recently made assistant to the Vice President in charge of Research of the Portland Cement Association.

President Frank Edwards has resumed his duties as Head of the Engineering Department of Illinois Institute of Technology after the arduous task of serving as General Manager of the Centennial of Engineering.

John Duba served as Assistant to the General Manager of Centennial of Engineering. He has also resumed his duties in the Civil Engineering Department of Illinois Institute of Technology.

Howard Hansen presided at the Fifth Wood Symposium arranged by the Committee on Timber Structures of the Structural Division of A. S. C. E.



Titus LeClair served as a member of the Board of Direction, and as Treasurer of the Centennial of Engineering, Inc.

### Centennial Commemorative Stamp

Are you using these stamps for all your mail? It affords an outstanding opportunity to bring the engineering profession to the attention of the general public.

### Centennial

Well, the Centennial celebration has come and gone. The N. S. P. E. - I. S. P. E. Banquet was a great success. Mr. Eric Johnston's speech was a masterful presentation of Point Four. To those who were not present, we have but one statement to make. You missed a wonderful evening and we missed you.

It was a pleasure to note that many N. S. P. E. and I. S. P. E. members played a prominent part in the programs of the various founder societies.

### LETTER FROM THE ASSISTANT SECRETARY

In accordance with the instructions of the Board of Direction resulting from a resolution presented by Chairman Dunavan of the Resolutions Committee that "views of the candidates on subjects of interest to engineers be disseminated," an interview was held between Mr. Stratton, a member of the State Legislature and the Assistant Secretary on the subject of the following letter.

The letter is the first of such views. Later information will be given through the Weekly Bulletin.

September 26, 1952

To the Chapter Presidents of  
The Illinois Society of  
Professional Engineers

Gentlemen:

Mistakes, particularly those in the Highway Department, made under past Governors other than the present administration, where poor executive administration was evident will not be repeated by Mr. Stratton if he is elected in November.

This assurance was given in a personal interview with Mr. Stratton at which an interested member of the Legislature and I were present.

Cordially yours,  
P. E. ROBERTS  
Assistant Secretary

A good measure of intellect is how readily one can adjust himself to new conditions.—K. F. Nystrom.

Words may show a man's wit but action shows his meaning.—Benjamin Franklin.

The smallest actual good is better than the most magnificent promise of impossibilities.—Macauley.

Taxes take approximately 24 cents out of every \$1 spent for highway transportation.

### FROM N.S.P.E. LEGISLATIVE BULLETIN

#### Return of Congress

The possibility that the 82nd Congress would be called back into special session to deal with the inflationary spiral has considerably diminished in the past several weeks. It is now generally believed that enough "cold water" has been thrown on the suggestion to eliminate the likelihood of such action by the President. If a special session is called it will be asked to strengthen the Defense Production Act, primarily from a price control standpoint. The re-opening of the control law *could lead, however, to renewed attacks on the provision eliminating salary and wage controls for professional engineers.*

#### Federal Aid to Higher Education

Among the proposals thrown into the hopper in the closing days of Congress and of *considerable potential interest to the engineering profession*, was legislation to authorize a broad and comprehensive program of financial assistance to needy students who are unable to attend college for economic reasons. The legislation was introduced at a late date without any expectation of action by the 82nd Congress, but rather as a basis for study during the summer and fall. The legislation will be re-introduced early in the next Congress.

The engineering interest stems primarily from the fact that under the proposal it is provided that during a period of national emergency at least 60% of the available federal scholarships would be granted to students engaged in fields of study related to the national defense or to defense supporting activities. In view of the fact that the nation may be in a "national emergency" status for some years it may be anticipated that a *considerable portion of the program would be for engineering education*. This probability is supported by a statement of the Federal Security Administration, who declared, at the time the legislation was introduced:

"If we are to insure that our science and our technology, both in the arts of peace and in the techniques of military defense, will continue to lead the world, we must train many more scientists and engineers."

The bill proposes scholarship aid to the "neediest of the ablest" among high school students. It is estimated that 50,000 to 60,000 students each year would be added to the university rolls. The legislation provides scholarships ranging up to \$800 per year per student, in accordance with individual need. The students would be *selected by State Scholarship Commissions* for scholarship awards and would be chosen according to standards set up by state educational authorities, based on ability and economic need. Each student would be free to select any college which will admit him.

In addition to providing direct scholarship aid, the *bill proposes a loan insurance system* whereby students could borrow a maximum of \$600 per year at moderate



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## BY THE WAY

There is nothing so strong or safe, in any emergency of life, as simple truth.

The man who does things makes many mistakes, but he never makes the biggest mistake of all—that of doing nothing.

Smiling is so easy, so why wear a frown? If you feel one rising, simply smile it down.

A wise man, when asked how he had learned so much about everything, replied: "By never being ashamed or afraid to ask questions about anything of which I was ignorant."

One of the best face-saving ideas is to keep the lower half of it shut.

The real college cheer is the check from home.—Anon.



## Engineering Societies Personnel Service, Inc.

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### MEN AVAILABLE

**FACTORY MGR.** E.E. 39. Seven yrs. Factory mgr. responsible for production, personnel, maintenance, specification of all electrical equip. Eleven yrs. Salesman application engr. for special controls primarily with ultimate users of the equipment. \$12,000. Midwest. PE 444

**RECENT GRAD.** Arch. Eng. 25. Three mos. Draftsman of plats of survey and working drawings for sewerage, water and roadway installations. Rodman and general assistant to surveyor. \$3500. Midwest. 445 PE

**PETROLEUM ENGR.** Pet. Engr. 35. Thirteen yrs. as a Lubrication Engineer, sales trouble-shooting, development of metal working lubricants, pilot plant processing of lubricants and additives. \$5000. Midwest. 446 PE

**DEVELOPMENT ENGR.** Chemistry. 34. Three and one half yrs. Staff Chemist charge of product development and raw material control. Five yrs. Sr. Research Chemist charged with the development of new printing inks, varnishes, and resins. \$10,000. Midwest. 447 PE

**SALES ENGR.** E.E. 25. Two yrs. in U.S. Army learning and helping to repair radar and computer. Eight mos. Apparatus Engr. studying some apparatus problems in the production and suggesting remedies for these problems and effectively carrying out these changes. \$5000. Midwest. 448 PE

**DEVELOPMENT.** E.E. 28. Two and one half yrs. Test and installation of electrical accessories for tractors, power units, special applications, etc. Included some design of test facilities and preparing test procedure. \$4800. Midwest. 449 PE

**CHIEF ENGR.** Ch.E. and M.E. 45. Seven yrs. Chief Engr. charge of eng. dept., design and tool room, chem. lab., started business of manuf. fork lift trucks. \$10,000. Midwest. 450 PE

**MECH. ENGR.** M.E. 31. Eight yrs. Mechanical Engr. in complete charge, development projects on electrical and mechanical aspects of communications equip. and proj. mech. engr. in plant eng. dept. responsible for supplying highly filtered oil to aircraft engines. \$6300. Midwest. 451 PE

**PROD. ENGR.** Ind. Eng. 34. Two and one half yrs. Shift Foreman responsible for set up, maintenance, production and

quality of ten Reed-prentice and H.P.M. injection presses. \$6000. Chicago. 452 PE

**MFG. ENGR.** Arch. Eng. 44. Nine yrs. Mfg. Engr. supervisor of industrial engrg., planning of the range plant and design and installation of all material handling equip., layout of all productive and non-productive areas. \$10,000. Midwest. 453 PE

**SUPT. OF CONSTR.** 62. Seven yrs. Supt. of Constr. supervising 2 schools and one office bldg., supervision on large constr. program, tel. bldg., and for a Sears bldg. \$6000. U.S. 454 PE

**SALES ENGR.** M.E. 26. Seventeen mos. Mech. Engr. doing design and drafting of heating systems. Eight mos. designing, drafting and tracing parts of small electro-mechanical devices. \$4800. U.S. 455 PE

**DESIGNER.** C.E. 29. Five yrs. Staff engr. designing new and replacement refinery equip. Twenty-six mos. Graduate Assistant, calculations of impact tests for reinforced concrete beams. \$6000. U.S. 456 PE

**DESIGNER.** M.E. 27. One yr. Draftsman — Flow sheets, layouts and constr. drawings of piping and automatic control systems for refineries and chemical plants. Eleven mos. preparation of material and labor estimates for contract bidding. \$6000. Chicago. 457 PE

**STRUCT. ENGR.** Struct. Engr. 36. Nine yrs. designing in both steel and concrete structures. \$9200. Chicago. 458 PE

### POSITIONS AVAILABLE

**SALES ENGINEERS** to call on engrs., archts. and contractors. Must have construction and preferably sales exp. Prefer one who has worked with cement company or concrete testing lab. Sal: \$4200-\$5400 yr.—comm and expenses. LO;NY Met. area; Chicago and Can. Good opp. eventually head up branch office. Y-7536

**MANAGER,** Service and Maintenance. M.E. Pref. About 40, with min. 10 years exp. in plant operation and maintenance within the chemical or metallurgical field with at least 2 years in respons. charge of the service and maintenance div. Duties: respons. to general manufacturing mgr. for admin. and functioning of all general maint., personnel, transportation stores, service and steam and power generation. Employer will

pay fee. Salary: \$12,000-\$18,000. Location: Michigan. D-7966

**PRODUCTION PLANNING ANALYST,** engineering degree and some accounting experience. Farm machinery background helpful. Duties: review product changes and advise management regarding costs necessary to produce the improved product. Age: 25-35. Salary \$500-\$600. Location: Michigan. D-7968

**DEVELOPMENT ENGINEER** — Refrigeration M.E. Age: Up to 50. 5 years' experience in development of refrigeration units. Duties: developing refrigeration units and supervise the work of others. Salary \$8500. Location: Chicago. R-9202

**SALES MANAGER,** M.E. or E.E. Age: 35 or over. 5 years' plus exp. in sale of instruments or process control equipment. Duties: staff position as manager of industrial controls division. Salary \$750-\$800 per month. Considerable travelling. Location: Chicago. R-9203

**CHIEF ENGINEER** — M.E. Age: 30-40. 5 plus years' exp. in designing chemical type process equipment with broad background in selection of construction materials. Knowledge of stresses and pressurized equipment. Duties: assume responsibility for establishing mechanical design practices and supervising others. For a manufacturer of corn products. Salary \$8000-\$10,000 per year. Employer will pay fee. Considerable travelling. Location: Chicago. R-9204

**EL. INSTRUCTOR.** E.E. Communications. Recent Grad. or better. Knowledge of Communications. Duties: teaching communications' work. Salary up to \$7000 per year. Employer will pay fee. Location: S.W. Chicago suburb. R-9205

**STRUCTURAL DESIGN** — 3 plus years exp. designing structural steel and concrete. Duties: designing on the board structural steel and reinforced concrete for general industrial plants. For an engineering firm. Salary: Up to \$7000 per year. Location: Chicago. R-9206

**DEVELOPMENT ENGINEER** — E.E. or M.E. Age: 26-40. 2 plus years' exp. with a high voltage equipment manufacturer or utility. Knowledge of high voltage utility field. Duties: in charge of development projects and experimental testing on high voltage switch gear. For a manufacturer of electrical equipment. Salary up to \$700 per month. Employer will negotiate fee. Location: Chicago. R-9207